Introducing

Quantum™ 2

COBLATION®

For Intelligent Arthroscopy

ArthroCare® SPORTSMEDICINE

The Art & Science of Better Outcomes

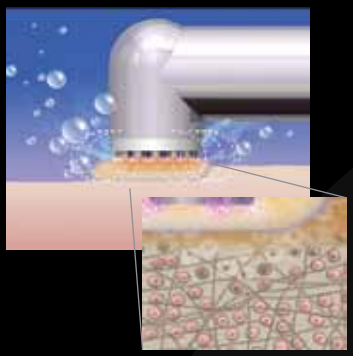
The Quantum 2 Difference

ArthroCare® invented Coblation® for arthroscopic surgery, and no one understands the science or technology better. Our engineers have taken everything we've learned over the past 15 years and more than 5 million procedures to create the Quantum 2 System, our revolutionary new Coblation platform. Quantum Coblation takes arthroscopic surgery to an entirely new level by giving you the control you need to handle whatever you find, in every joint you treat.

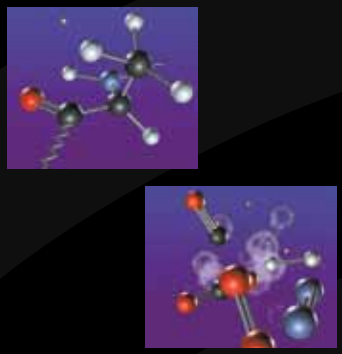
How Quantum Coblation Works

Low Temperature Plasma Excision

Quantum Coblation uses a controlled, non-heat driven process in which bipolar radiofrequency (bRF) energy excites the electrolytes in a conductive medium, usually saline solution, to create a precisely focused and charged plasma gas. The energized particles in the plasma have sufficient energy to break the molecular bonds within tissue, causing tissue to dissolve at relatively low temperatures (between 40˚C and 70˚C). Because radiofrequency current does not pass directly through tissue during Coblation, tissue heating is minimal. The result is volumetric removal of the target tissue with minimal damage to surrounding healthy tissue.



During Coblation, high voltage is applied to the conductive medium (usually saline) located between the electrode and the tissue. The high voltage converts the fluid into an ionized vapor layer (plasma).



The plasma contains excited particles that accelerate toward the tissue and break the tissue's molecular bonds. At relatively low temperatures (between 40˚C and 70˚C), the tissue disintegrates molecularly (not explosively) into simple molecules, such as small hydrocarbons and gases (oxygen, nitrogen, carbon dioxide, etc.) that are removed from the site with suction, resulting in effective tissue removal.

The Quantum 2 System is the most dynamic controller we've created. When paired with our Multi-Electrode ArthroWand™ devices, the controller produces a large and responsive plasma layer for fast ablation speeds. The Quantum 2 System offers a unique set of features designed to make your procedures go smoothly.

Efficient Ablation, Intelligent Features

Multi-Electrode Technology.™ The ArthroWand portfolio offers a full range of Multi-Electrode wands. These wands form a stable plasma layer, which leads to fast ablation and responsive performance.

Temperature Feedback. The Ambient Wand Collection provides accurate, real-time temperature measurements of the operative environment by using visual and audio indicators on the Quantum 2 Controller.

Adjustable Coagulation. The new enhanced coagulation mode can improve visualization when tough bleeders are encountered.

Integrated TOPAZ™ Timer. When using TOPAZ Wands, the Quantum 2 Controller defaults to optimal power and timer settings, automatically delivering the precise dose.

Hand Control Capability. The Quantum 2 System supports a line of wands with Integrated Finger Switches (IFS).

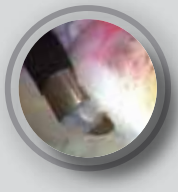
Wireless Footswitch. The Quantum 2 System is compatible with a wireless footswitch accessory which eliminates the tangle of controller wires for unsurpassed convenience and ease of use.

Automatic Scope Saver. The Quantum 2 System automatically pauses radiofrequency output when wands are in close proximity to or in contact with metal, and resumes radiofrequency output when the wands have returned to a proper distance.

Comprehensive Wand Technologies

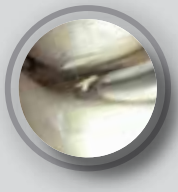
The flexible and versatile Quantum 2 System was designed to meet all of your sports medicine needs. Our extensive line of ArthroWand devices offers the widest variety of angles and electrode configurations available. Whether you're debriding articular cartilage in the knee, performing hip arthroscopy, or treating a tendon, Quantum Coblation and our innovative ArthroWand devices are the best choice for the most demanding procedures.

The Right Tools for Every Indication



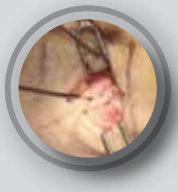
Hip Arthroscopy

SideWinder™ Blade, the first articularting bipolar hip Wand, incorporates a rotating shaft that is deflectable up to 100° enabling unmatched access in the joint space. MultiVac™ 50 XL and TurboVac™ 90 XL offer the length desirable for hip ablation. The hip Wand collection provides rapid removal of synovial tissue and necessary sculpting precision for acetabular labral tissue.



Chondroplasty

The Paragon T2™ Wand is based on 6 years of published, scientific research on the application of bipolar radiofrequency energy on articular cartilage. Temperature Technology, or T2, provides a real-time visual indicator when the temperature exceeds the recommended 50° C.



Tendon and Fascia Treatment

TOPAZ Microdebrider™ devices are designed for the minimally invasive treatment of tendons and fascia, helping individuals return to sports, work, and life. The small tip helps to preserve tissue structure.

The ArthroWand Collection

For 15 years, ArthroCare Sports Medicine has advanced arthroscopic Wand design. Our portfolio of ArthoWand devices includes tools for shoulder, knee, hip, ankle, elbow, wrist, and tendon procedures.

StarVac™ 90

Super TurboVac™ 90

UltraVac™ 90

TurboVac™ 90

Paragon T2

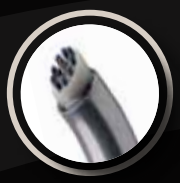
Super MultiVac™ 50

CoVac™ 50

TriStar™ 50

CoVator™ 20

SideWinder


Bevel 45

CAPSure™ 30

Microblator™ 30

TOPAZ MicroDebrider

LoPro™ 90

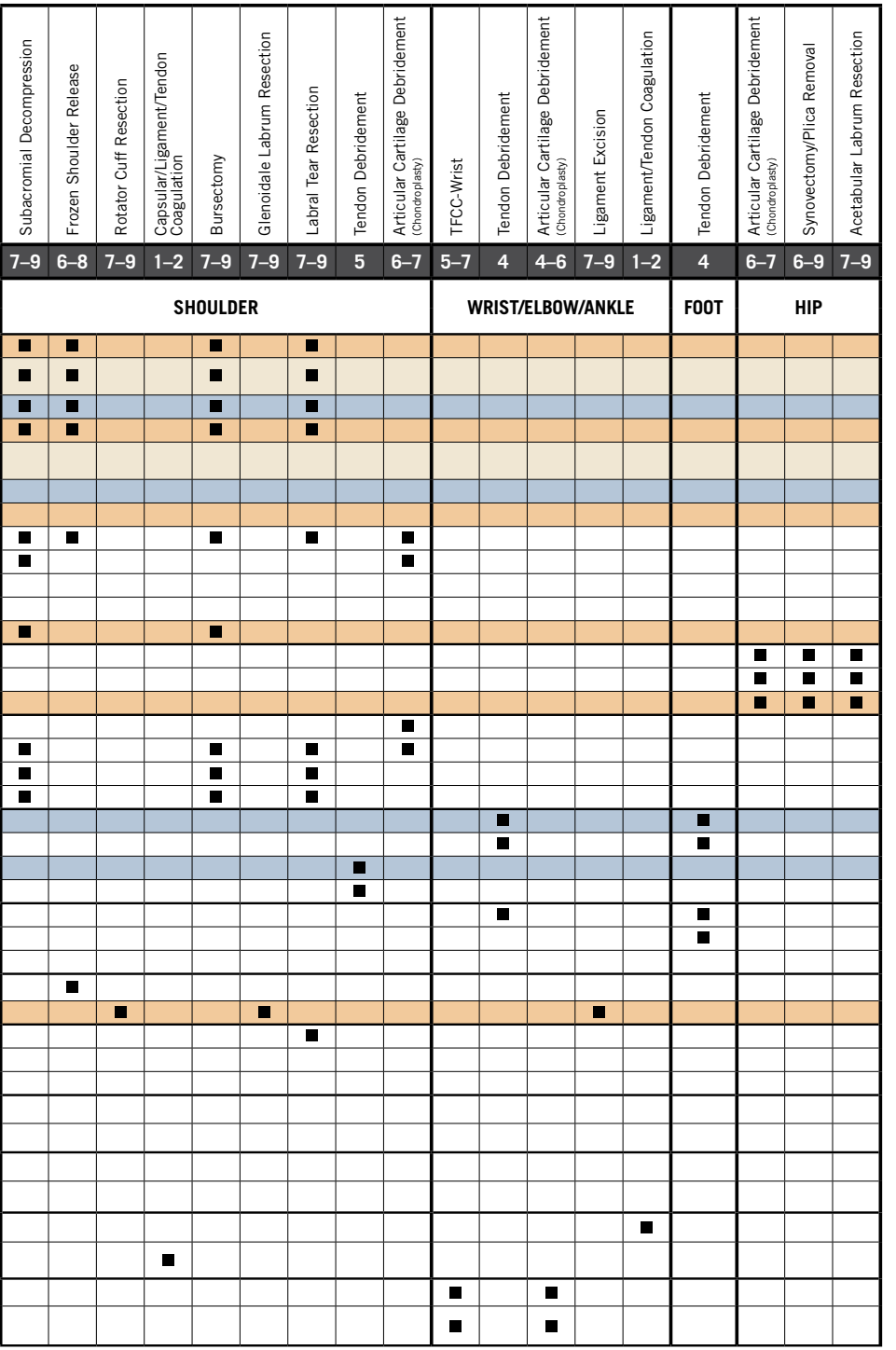
Eliminator™ 90

Dome 60

Saber™ 30

ArthroWand Selection Chart

		Catalog No.			Shaft		5.5mm²	Meniscectomy	Lateral Release	ACL/PCL Debridement (Notchplasty)	Articular Cartilage Debridement (Chondroplasty)		Synovectomy/Plica Removal	Tendon Debridement	Ligament/Tendon Coagulation
		Non-ICW[1]	ICW[1]	Wand	Size	Angle	Cannulas								
RECOMMENDED SETTINGS								VAR	6–8	7–9	6–7	5–7	6–9	4	1–2
								KNEE							
Suction			ASC4251-01	StarVac™	3.75mm	90°	X			■			■		
			ASHA4250-01	Ambient™ Super TurboVac™ 90 IFS[4]	3.75mm	90°				■			■		
			ASH4250-01	Super TurboVac 90 IFS[3]	3.75mm	90°	X			■			■		
			ASC4250-01	Super TurboVac 90	3.75mm	90°	X			■			■		
			ASHA4830-01	Ambient Super MultiVac™ 50 IFS[4]	3.75mm	50°		7–9		■			■		
			ASH4830-01	Super MultiVac 50 IFS[3]	3.75mm	50°		7–9		■			■		
			ASC4830-01	Super MultiVac 50	3.75mm	50°		7–9		■			■		
		AS1335-01	ASC1335-01	TurboVac™ 90	3.75mm	90°	X			■			■		
		AS1337-01		TurboVac 90 HP	3.75mm	90°									
		AS2530-01	ASC2530-01	CoVac™ 50	3.0mm	50°		6–8					■		
		A S4630-01	ASC4630-01	TriStar™ 50	3.0mm	50°	X	6–8			■		■		
			ASC5000-01	UltraVac™ 90	4.25mm	90°				■			■		
Hip			ASC1336-01	TurboVac 90 XL	3.75mm	90°	X								
			ASC4730-01	MultiVac 50 XL	3.75mm	50°	X								
			AC2340-01	SideWinder™ Blade	2.7mm	55°	X								
Right Angle		A1325-01		Right Angle 90	2.5mm	90°						■			
		A1335-01	AC1340-01	Right Angle 90	3.5mm	90°				■			■		
		A1336-01	AC1336-01	LoPro™ 90	3.6mm	90°	X			■			■		
		A1345-01	AC1345-01	Eliminator™ 90	4.5mm	90°	X			■			■		
Tendon			ACH4040-01	TOPAZ™ MicroDebrider IFS[3]	0.8mm	0°								■	
			AC4040-01	TOPAZ MicroDebrider	0.8mm	0°								■	
			ACH4045-01	TOPAZ XL MicroDebrider IFS[3]	1.27mm	15°	X								
			AC4045-01	TOPAZ XL MicroDebrider	1.27mm	15°	X								
Foot & Ankle			Q6000-01	TOPAZ MicroDebrider	0.8mm	0°								■	
			Q6002-01	TOPAZ EPF MicroDebrider	0.8mm	45°									
			Q6003-01	TOPAZ EPF Cannula System											
Cutting		A4330-01	AC4330-01	Saber™ 30	3.0mm	30°			■						
			AC4340-01	CoVator™ 20	3.3mm	20°	X		■						
Bevel		A2430-01	AC2430-01	Bevel 45	3.0mm	45°	X	6–8	■			■			
		A2530-01		Bevel 60	3.0mm	60°		6–8	■				■		
		A2630-01		Bevel 30	3.0mm	30°	X	6–8							
Dome		A3525-01	AC3525-01	Dome 60	2.5mm	60°		6–8							
		A3625-01		Dome 30	2.5mm	30°	X	6–8							
Meniscus & Articular Cartilage			AC5520-01	Razor2.5™ 45	2.5mm	45°	X	4–9							
			AC5531-01	ParagonT2™	2.3mm	15°	X					■			
Coagulation		A1720-01		Micro CAPS™ ↗	2.0mm	0°	X								
			AC1830-01	CAPSure 30 ↗⊘	3.0mm	30°	X								■
Small Joint			AC2823-01	Short Bevel 35	2.3mm	35°									
			AC4050-01	Microblator™ 30	1.4mm	30°									



[1] Integrated Cable Wands (ICW)
[2] Ensure Wand fits through cannula prior to use
[3] Integrated Finger Switches (IFS)
[4] Temperature Feedback Ambient ArthroWand

For use with Bending Tool (H 2000-20)
Not Recommended for Ankle or Wrist use

Compatible with ALL systems
Compatible with Atlas™ and Quantum™ Systems ONLY
Compatible with Quantum and Quantum 2 System ONLY
Quantum 2 System ONLY
Recommended

NOTE: The information on this chart is intended as a guideline and suggestion. Surgeons should use their best medical judgement when selecting an ArthroCare Wand for a patient and procedure.

Count on ArthroCare For Leadership and Innovation

For 15 years, ArthroCare has been the leading innovator in radiofrequency solutions for arthroscopic surgery. No one understands the technology better. No one provides a broader range of solutions. No one has an organization so dedicated to these systems. Let us show you the difference Quantum Coblation can make for your practice.

Visit us online at
quantumcoblation.com

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